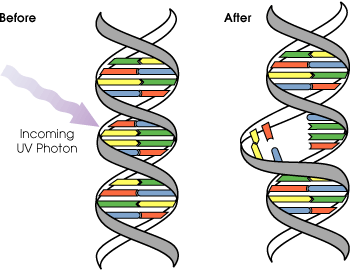
**Mutations: The Good, The Bad and the Ugly**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Information Sources**

Mutations info (on wikispace)

Brainpop on mutations (login:acsuk, password: acsschools)

<http://www.bozemanscience.com/mutations>

We should watch two twig movies in class and there are several websites on positive mutations in humans.

**Use The Information Sources To Answer The Questions Below:**

1. What is a mutation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name some causes of mutations \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Explain why not all mutations have an affect on the phenotype.

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4. Name a disease caused by a mutation. State whether the gene involved is recessive or dominant, what the symptoms are and the cure/method of prevention if there is one.

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1. How are mutations linked to cancer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Explain why mutations are seen as beneficial for species survival.

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1. Give examples of positive mutations in humans, do any of them apply to

you? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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